

<p>2000-075889/07 A97 D25 E19 F06 KAOS 1998.05.08          KAO CORP *JP 11323383-A          1998.05.08 1998-125565(+1998JP-125565) (1999.11.26) C11D 1/62,          1/68, 1/74, 1/835, 3/43, 10/02  <b>Detergent composition for dry cleaning - comprises quaternary ammonium salt, sorbitan fatty acid ester, polyoxyethylene sorbitan fatty acid ester and petroleum-based solvent</b>  <b>C2000-022401</b></p>	<p>A(10-E7, 10-E8A, 12-W12A) D(11-A2B, 11-A2B1, 11-A3A4, 11-B16, 11-D1) E(7-A2D, 10-A22B) F(3-J4)</p> <p>R<sub>3</sub> and R<sub>4</sub> = 1-3C alkyl or hydroxyalkyl;          Y = ethylene or propylene group;          n = 0 or 1; and          X = anion group.</p>
<p><u>NOVELTY</u>          Detergent composition includes a quaternary ammonium salt, a sorbitan fatty acid ester, a polyoxyethylene sorbitan fatty acid ester and a petroleum-based solvent.</p> <p><u>DETAILED DESCRIPTION</u>          Detergent composition includes:          (A) a quaternary ammonium salt of formula  <math>R_1(C(O)NHY)_nN^+(R_2)(R_3)(R_4)X^-(I)</math>,          (B) a sorbitan fatty acid ester,          (C) a polyoxyethylene sorbitan fatty acid ester and          (D) a petroleum-based solvent.          R<sub>1</sub> = 8-22C alkyl;          R<sub>2</sub> = 1-22C alkyl or hydroxyalkyl;</p>	<p><u>USE</u>          The detergent composition is used for dry cleaning.</p> <p><u>ADVANTAGE</u>          The detergent composition is uniformly transparent, and has an excellent phase stability and water solubility.</p> <p><u>ORGANIC CHEMISTRY</u>          (A) is stearyldimethylethyl ammonium-monoethyl sulfuric acid salt, stearyldimethylhydroxyethyl ammonium-glycolic acid salt, stearyldimethylhydroxyethyl ammonium-paratoluene sulfonic acid salt, or stearylaminioethyldimethylhydroxyethyl ammonium-paratoluene sulfonic acid.          (B) has an HLB value of 4 to 10, and is sorbitan monolaurate</p> <p style="text-align: right;">JP 11323383-A+</p>

<p>(HLB = 8.6).          (4pp072DwgNo.0/0)</p>	<p style="text-align: right;">JP 11323383-A</p>
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